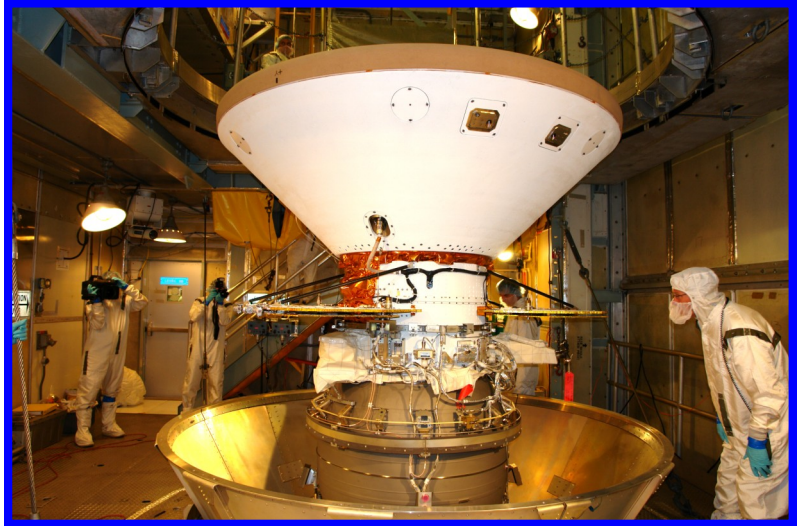


2008 ECONOMIC IMPACT ANALYSIS



PATRICK AIR FORCE BASE & CAPE CANAVERAL AIR FORCE STATION

45TH SPACE WING
1201 EDWARD H. WHITE II STREET
PATRICK AFB, FL 32925



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45th Space Wing Public Affairs Office may be contacted
at (321) 494-5933 to answer any questions concerning this document

45TH SPACE WING: MISSION

“To assure access to the high frontier and to support global operations.”

45TH SPACE WING: VISION

“To provide the world’s most responsive, reliable and cost-effective access to space.”

45TH SPACE WING: MOTTO

“Control of the battlefield begins here.”



45TH SPACE WING: MISSION AREAS

EASTERN RANGE OPERATIONS:

Provide the activities and resources for safety of flight, range instrumentation, infrastructure, and scheduling required to support and assure space and ballistic launches, and other operations.

LAUNCH OPERATIONS AND SUPPORT:

Provide reliable launch infrastructure, launch teams, and seamless partnership with launch and satellite programs.

EXPEDITIONARY AND CONTINGENCY READINESS:

Provide trained people, equipment, and processes ready to support wartime and contingency operations.

BASE AND PEOPLE SUPPORT:

Provide base infrastructure, health care services, security, information systems, morale/welfare activities, workforce safety, human resources, financial services, logistic services and environmental stewardship to support present and future missions.

PART I: BACKGROUND

INTRODUCTION

As the "World's Premier Gateway to Space," the 45th Space Wing supports the United States' space program as part of Air Force Space Command. The Wing operates the most active space launch installation in the world today, and hosts many associate organizations that support the space program. The Wing has a rich history, and it remains on the cutting edge of state-of-the-art space technology.

The Eastern Range was established as America's Joint Long Range Proving Ground by President Harry Truman on May 11, 1949. The United States has been launching rockets from the Range since July 24, 1950, when the Army's BUMPER 8 rocket became the first vehicle ever launched at Cape Canaveral. Since then, Cape Canaveral Air Force Station has been an important center for man's quest into space. It has become the gateway through which most of our nation's military, civil and commercial rockets have been launched.

Today, the mission of the 45th Space Wing is to provide assured access to the high frontier and to support global operations. It defends the United States in direct support of the Air Force Space Command mission, which is to deliver space and missile capabilities to America and its warfighting commands.

To that end, the 45th Space Wing motto is "Control of the Battlefield Begins Here," a tribute to the critical Department of Defense and U.S. government payloads that are launched from the Eastern Range. The range, which extends more than 10,000 miles from the Florida mainland through the South Atlantic into the Indian Ocean, encompasses more than 15 million square miles.

Commercial and NASA payloads are also supported from this DOD east coast spaceport with the range conducting launch operations for Delta II, Delta IV, and Atlas V vehicles — as well as Space Shuttle and U.S. Navy Trident II missile tests. The Eastern Range has accommodated more than 3,300 launches and tests since its inception in 1950.

The Eastern Range supported 12 space flights in Fiscal Year 2008, four of which featured Evolved Expendable Launch Vehicles (EELVs).

The EELV is the Air Force space lift modernization program. EELV's goal is to reduce launch costs by at least 25 percent over legacy Delta II, Atlas II and III, and Titan IV launch systems. Part of these savings result from the government now procuring commercial launch services and turning over responsibility for operations and maintenance of the launch complexes to the contractors. The Atlas V and Delta IV are manufactured, assembled and launched by the United Launch Alliance (ULA) of Boeing and Lockheed Martin. The two companies announced their plans to form the United Launch Alliance May 2, 2005. ULA opened its doors for business Dec. 1, 2006.

The EELV program's two primary objectives are to:

- Increase the U.S. space launch industry's competitiveness in the international commercial launch services market.
- Implement acquisition reform initiatives resulting in reduced government resources necessary to manage system development, reduced development cycle time, and deployment of commercial launch services.

The 45th Space Wing is also host to a number of significant mission partners or tenant units. At Cape Canaveral Air Force Station the wing supports ballistic missile testing for the Naval Ordnance Test Unit, supporting more than 200 visits a year by submarines and surface ships of the U.S. Atlantic Fleet and foreign navies.

The Air Force Technical Applications Center, the Defense Equal Opportunity Management Institute and the 920th Rescue Wing are among the other major tenant organizations supported at Patrick Air Force Base. Some 30 other mission partners call Patrick and the Cape home and the 45th Space Wing provides support to more than 50 geographically separated units.

Together, this blended, diverse and highly dynamic community works hand in hand to accomplish vital missions.



ECONOMIC IMPACT REGION

The Economic Impact Region (EIR) consists of Brevard County, Florida, where the majority of economic activity generated by Patrick AFB and CCAFS occurs.

The total economic impact amount is affected by various factors. Service and construction contracts create jobs as well as the need for materials and supplies. Military, civil service, and contractor payrolls have a direct impact on the region, as well as a rippling effect through the creation of indirect jobs. The local public school system benefits from federal impact aid funds and local healthcare providers profit from medical program expenditures. Additionally, government and contractor personnel spend money while visiting on temporary duty within the area. All of these factors are considered when calculating the total economic impact.

FISCAL YEAR 2008

The estimated local economic impact of Patrick and CCAFS during Fiscal Year 2008 was nearly \$1.07 billion. This amount represents wages and salaries for all military and civilian employees. The estimated dollar value of the indirect jobs created is included. Also included are local contracts and construction.

The wing population of military members, military dependents, civilian employees and contractors is approximately 13,000.

RETIREES

Although Air Force Manual (AFMAN) 65-506 does not provide for military retirees to be included in the annual economic impact analysis (EIA), they are an important fixture to our area and generate substantial economic impact in their own right. According to the Office of the Secretary of Defense, 14,190 military retirees resided in Brevard County, FL, in FY08 and received a total of \$328,067,531 in military pensions during the year.



PART II: WING ECONOMIC IMPACT

PERSONNEL BY CLASSIFICATION & HOUSING LOCATIONS

PERSONNEL BY CLASSIFICATION AND HOUSING LOCATION				
	CLASSIFICATION	LIVING ON BASE	LIVING OFF BASE	TOTAL
1.	APPROPRIATED FUND MILITARY (APF Military)			
	Active Duty	424	1,370	1,794
	Air Force Reserve/Air National Guard	0	43	43
	Non-Extended Active Duty Reserve/ANG	3	1,063	1,066
	Individual Mobilization Augmentees	0	206	206
	TOTAL:	427	2,697	3,109
2.	ACTIVE DUTY MILITARY DEPENDENTS	657	1,836	2,493
	APPROPRIATED FUND CIVILIANS (APF Civilians)			
	General Schedule and Federal Wage Board			1,766
			TOTAL:	1,766
3.	NON-APPROPRIATED FUND CONTRACT CIVILIANS AND PRIVATE BUSINESS (NAF Civilians)			
	Civilian NAF			336
	Civilian BX			136
	Contract Civilians (not elsewhere included)			5,246
	Private Businesses On Base, By Type:			13
	Branch Banks/Credit Union			11
	Other Civilians (not elsewhere included)			2
			TOTAL:	5,731
	TOTAL PERSONNEL:			13,099



ANNUAL PAYROLL BY CLASSIFICATION & HOUSING LOCATIONS

ANNUAL PAYROLL BY CLASSIFICATION AND HOUSING LOCATION				
	CLASSIFICATION	LIVING ON BASE	LIVING OFF BASE	TOTAL
1.	APPROPRIATED FUND MILITARY			
	Active Duty	\$10,253,592	\$80,974,261	\$91,227,853
	ANG/Reserve	\$0	\$3,831,760	\$3,831,760
	NEADR/ANG	\$80,403	\$28,490,500	\$28,570,903
	Individual Mobilization Augmentees	\$0	\$5,286,555	\$5,286,555
	TOTAL:	\$10,333,995	\$118,583,076	\$128,917,071
2.	APPROPRIATED FUND CIVILIANS			
	General Schedule and Federal Wage Board			\$117,363,185
			TOTAL:	\$117,363,185
3.	NON-APPROPRIATED FUND CONTRACT CIVILIANS AND PRIVATE BUSINESS			
	Civilian NAF			\$5,383,380
	Civilian BX			\$4,281,888
	Contract Civilians (not elsewhere included)			\$0
	Private Businesses On Base, By Type:			\$411,625
	Branch Banks/Credit Union			\$319,015
	Other Civilians (not elsewhere included)			\$92,610
			TOTAL:	\$10,076,893
	TOTAL ANNUAL PAYROLL:			\$256,357,149



**EXPENDITURES FOR CONSTRUCTION, SERVICES
AND PROCUREMENT**

EXPENDITURES FOR CONSTRUCTION, SERVICES, AND PROCUREMENT OF MATERIALS, EQUIPMENT AND SUPPLIES		
		Actual Annual Expenditures
1.	CONSTRUCTION	
	Military Construction Program	\$8,645,500
	Non-Appropriated Fund	\$120,000
	Military Family Housing	\$0
	O&M	\$34,761,374
	Other	\$0
	TOTAL:	\$43,526,874
2.	SERVICES	
	Services Contracts*	\$503,255,538
	Other Services (not elsewhere included)	0
	TOTAL:	\$503,255,538
3.	MATERIALS, EQUIPMENT, AND SUPPLIES PROCUREMENT	
	Commissary	\$2,322,181
	Base Exchange (BX)	\$0
	Health (CHAMPUS, Government cost only)	\$4,398,203
	Medical Equipment and Supplies	\$22,514,985
	Education (Impact aid and tuition assistance)	\$1,614,870
	TDY	\$3,673,400
	Other Materials, Equipment & Supplies (not elsewhere included)	\$12,420,380
	TOTAL:	\$46,908,019
*Includes only contracts in the local economic area or contracts requiring the use of locally supplied goods and services. Not including contracts for services supplied to other Air Force installations.		
	TOTAL ANNUAL EXPENDITURES:	\$593,690,431

**ESTIMATE OF NUMBERS AND DOLLAR VALUE
OF INDIRECT JOBS CREATED**

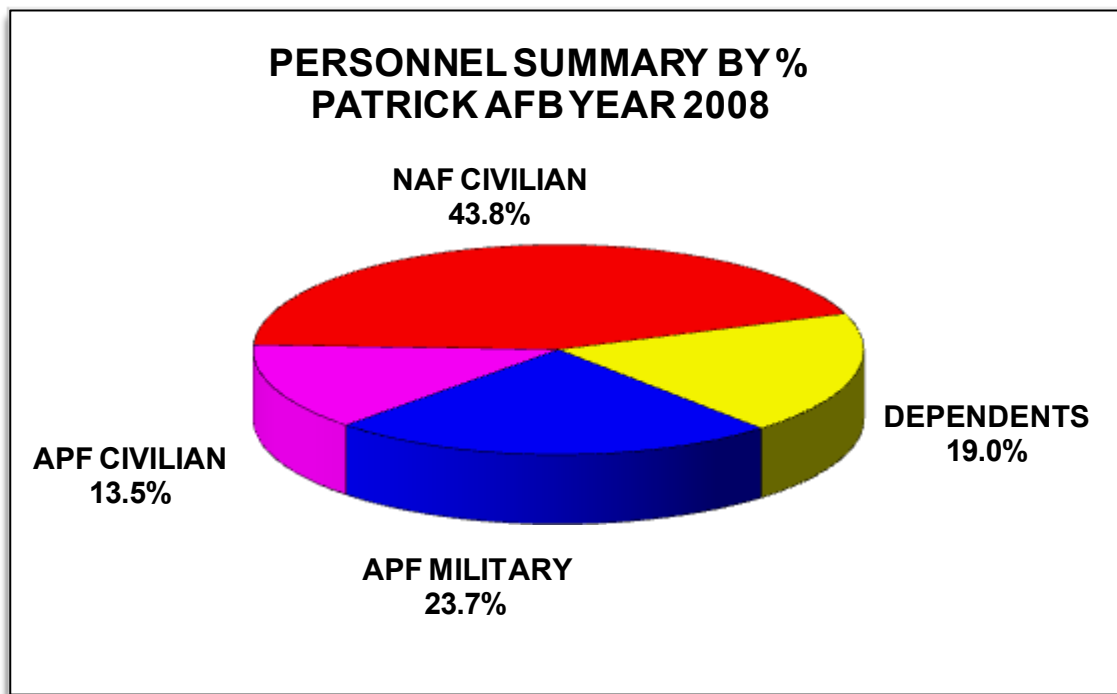
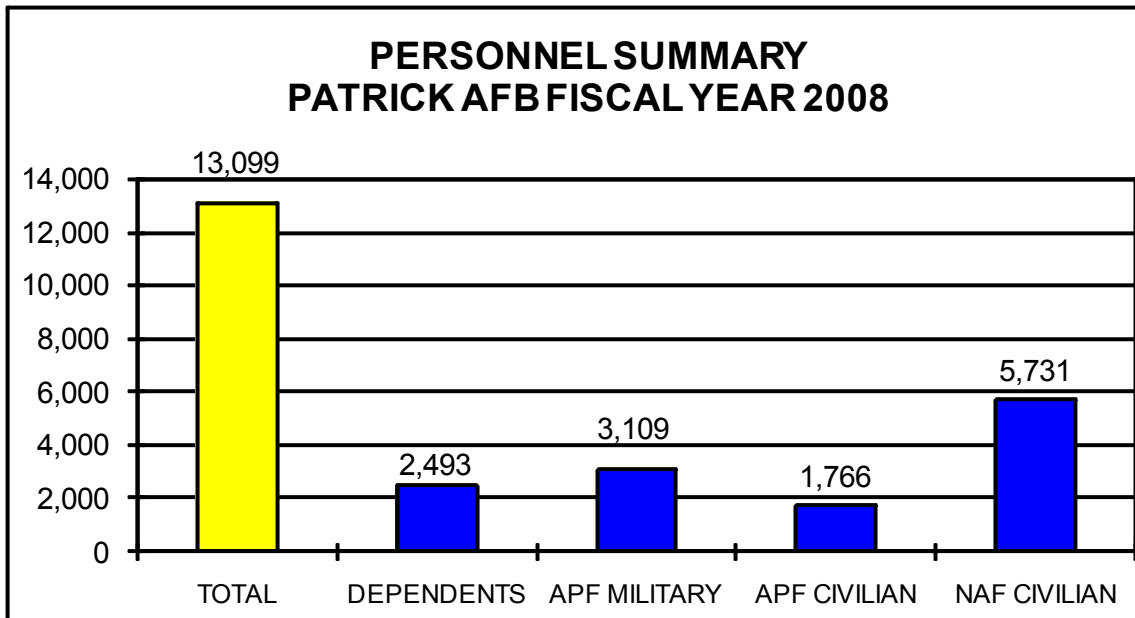
ESTIMATE OF NUMBER AND DOLLAR VALUE OF INDIRECT JOBS CREATED			
Type of Personnel	# of Base Jobs	Multiplier	# of Indirect Jobs
ACTIVE DUTY MILITARY	1794	0.41	736
RESERVE/ANG/TRAINEEES	1,109	0.16	177
APF CIVILIANS	1,766	0.55	971
OTHER CIVILIANS	5,731	0.55	3,152
TOTAL:	10,400		5,036
ESTIMATED NUMBER OF INDIRECT JOBS CREATED:			5,036
AVERAGE ANNUAL PAY FOR THE LOCAL COMMUNITY:			\$42,982
ESTIMATED ANNUAL DOLLAR VALUE OF JOBS CREATED:		\$216,455,983	
ANNUAL PAYROLL:		\$256,357,149	
Military	\$128,917,071		
Federal Civilian	\$117,363,185		
Other Civilian	\$10,076,893		
ANNUAL EXPENDITURES:		\$593,690,431	
ESTIMATED ANNUAL DOLLAR VALUE OF JOBS CREATED:		\$216,455,983	
Estimated Indirect Jobs Created	5,036		
Average Annual Pay	\$42,982		
GRAND TOTAL:		\$1,066,503,563	

2008 TOTAL ANNUAL ECONOMIC IMPACT ESTIMATE

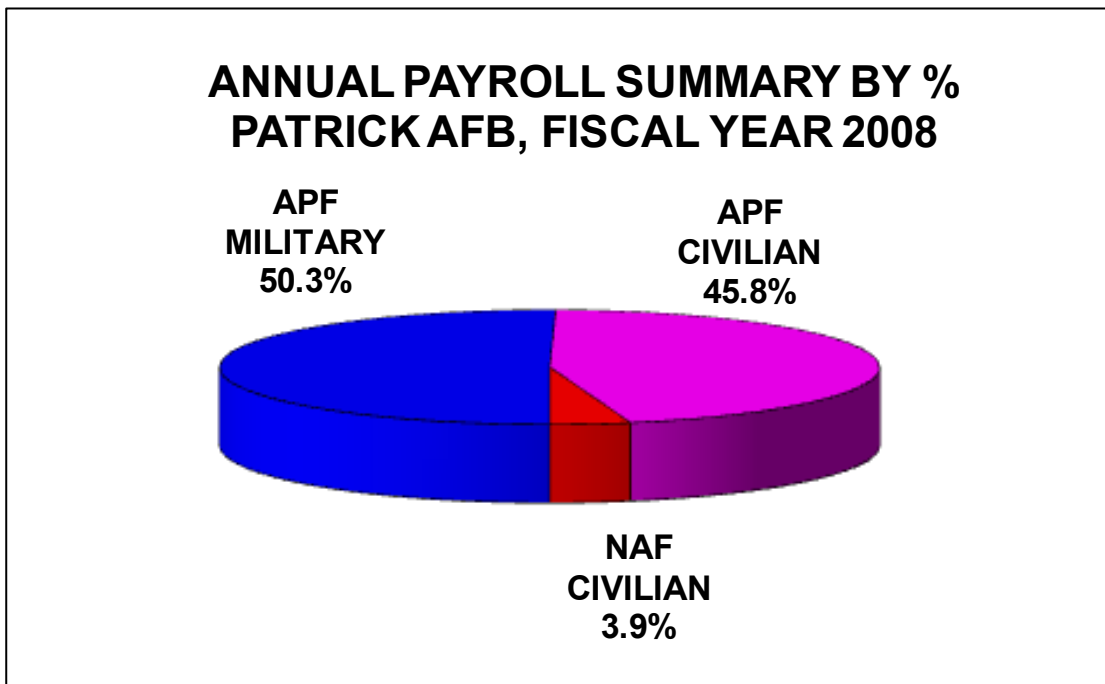
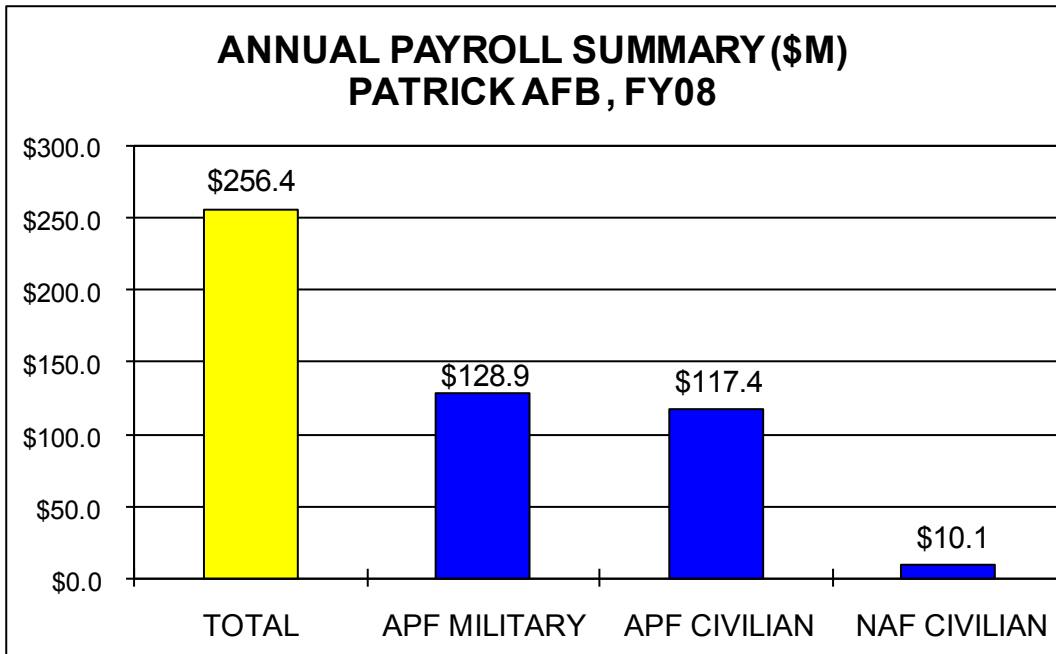
GRAND TOTAL:		\$1,066,503,563
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GRAPHICAL REPRESENTATION OF DATA

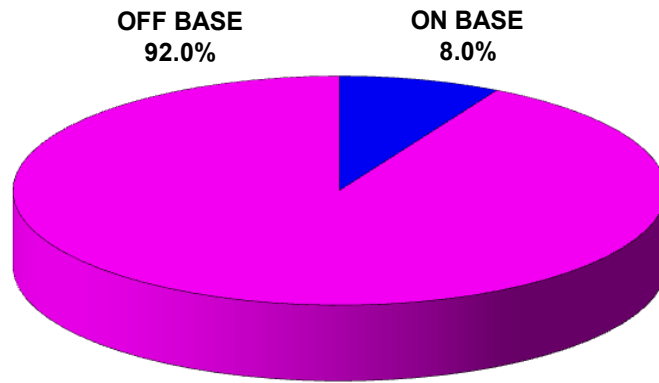


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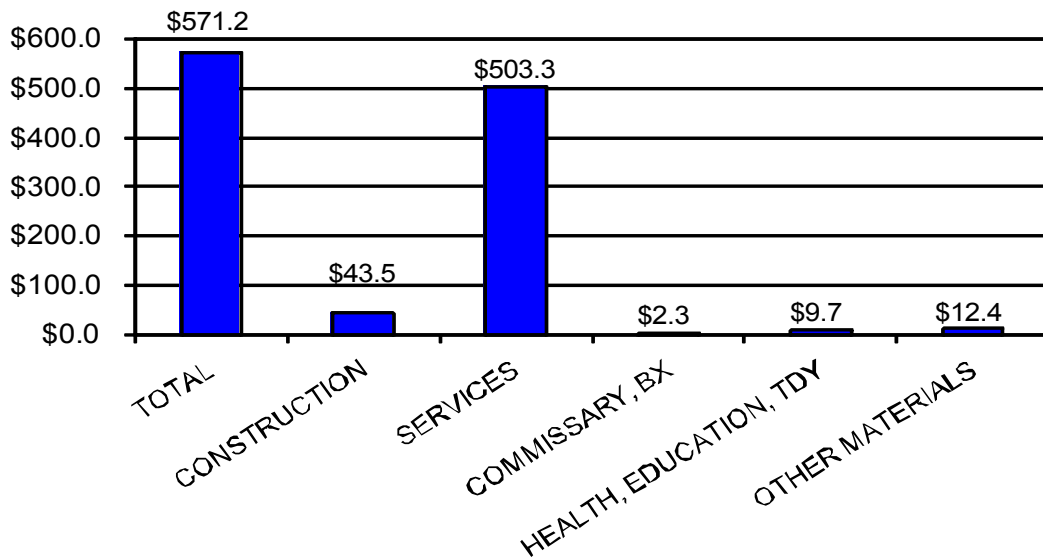


GRAPHICAL REPRESENTATION OF DATA

% OF THE APPROPRIATED FUND MILITARY PERSONNEL PAYROLL ATTRIBUTABLE TO PERSONNEL LIVING ON AND OFF BASE FISCAL YEAR 08

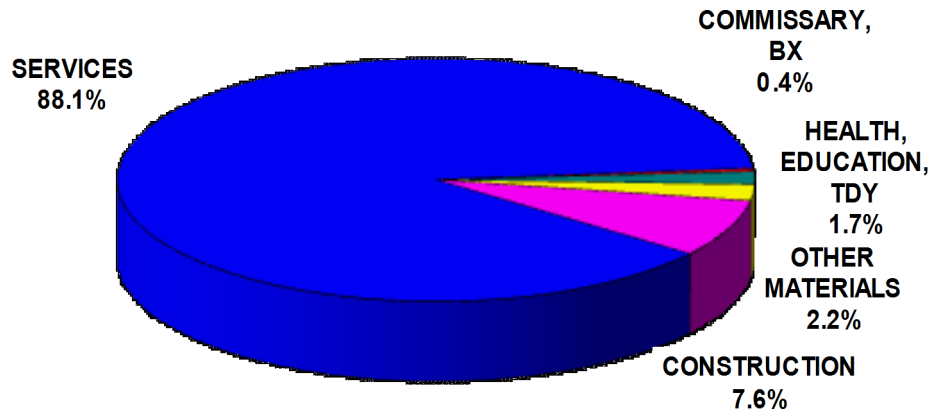


ANNUAL EXPENDITURE SUMMARY (\$M) PATRICK AFB FISCAL YEAR 2008

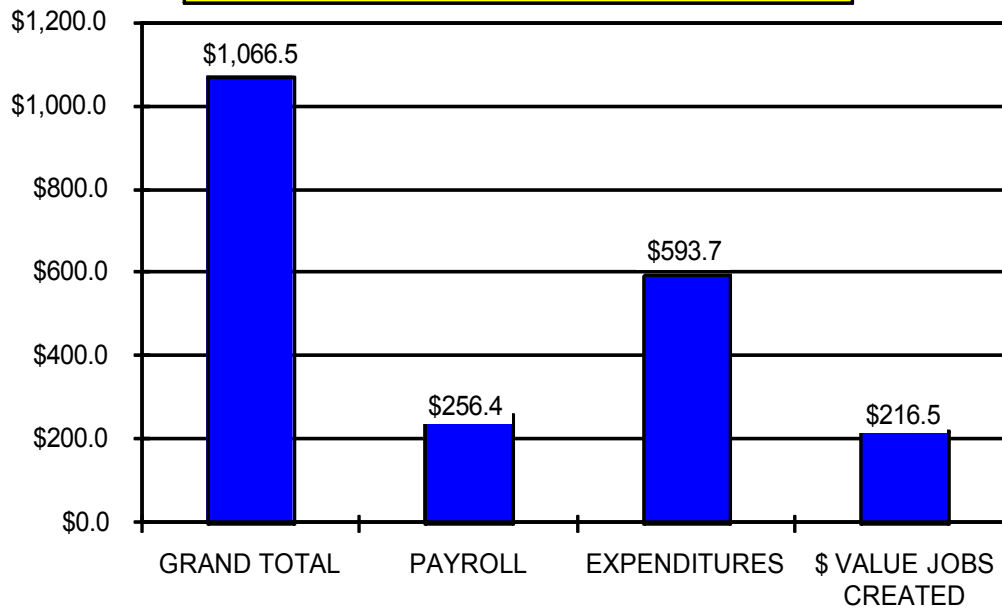


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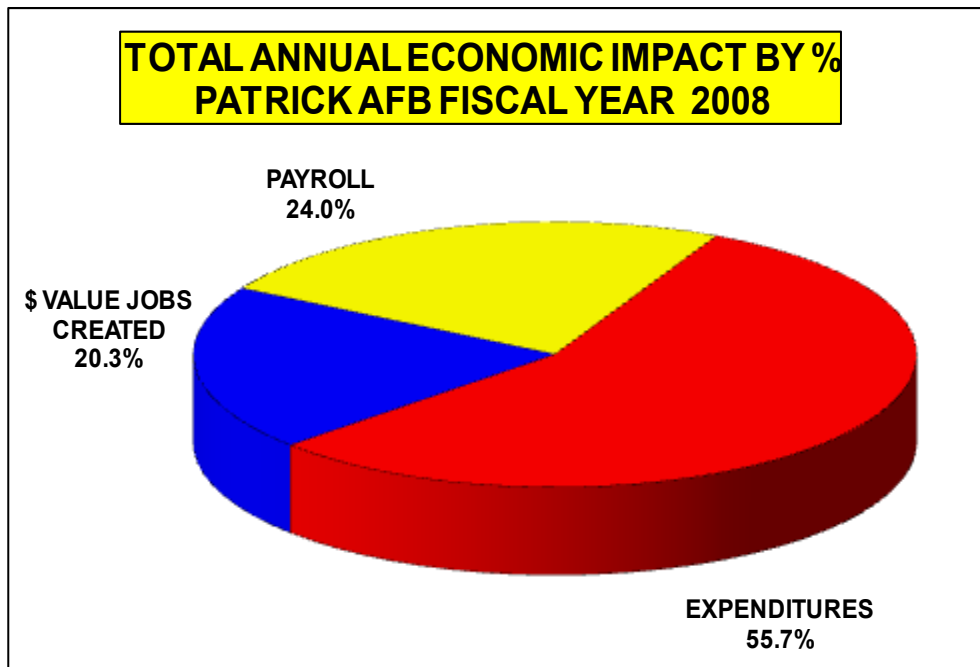
ANNUAL EXPENDITURE SUMMARY (\$M) PATRICK AFB FISCAL YEAR 2008



TOTAL ANNUAL ECONOMIC IMPACT (\$M) PATRICK AFB/CAPE CANAVERAL AFS, FY08



GRAPHICAL REPRESENTATION OF DATA



PART III: MISCELLANEOUS INFORMATION

EASTERN RANGE LAUNCHES FY 2008

Eastern Range Launches Fiscal Year 2008 (1 Oct 2007– 30 Sep 2008)

<u>Date</u>	<u>Launch Vehicle</u>	<u>Payload/Ship</u>
Oct. 11, 2007	Atlas V	WGS-2 (F1)
Oct. 17, 2007	Delta II	NAVSTAR IIR-17
Oct. 23, 2007	Discovery	HARMONY NODE 2
Nov. 11, 2007	Delta VI	DSP 23
Dec. 10, 2007	ATLAS V	NROL-24
Dec. 20, 2007	Delta II	NAVSTAR IIR-18
Feb. 07, 2008	Atlantis	COLUMBUS LAB MODULE
March 11, 2008	Endeavour	KIBO LAB
March 15, 2008	Delta II	NAVSTAR IIR-19
April 14, 2008	ATLAS V	ICO-G1
May 31, 2008	Discovery	2ND KIBO LAB
June 11, 2008	Delta II	GLAST



45TH SPACE WING'S MISSION PARTNERS

Air Combat Command Program Management Squadron/QA
Aerospace Fuels Laboratory
Air Force Audit Agency
Air Force Office of Special Investigations
920th Rescue Wing (Air Force Special Operations Command)
Air Force Technical Application Center
American Red Cross
Army Corps of Engineers
Civil Air Patrol
Documentation Automation and Production Service
Defense Commissary Agency
Defense Equal Opportunity Management Institute
Defense Reutilization & Marketing Office
Department of State/ Air Wing
Det. 1, 2nd Space Operations Squadron
FBM Operational Test Support Unit Two
Joint Stars Joint Test Force
Military Sealift Command
National Aeronautics and Space Administration
Naval Ordnance Test Unit
National Geospatial-Intelligence Agency
Space and Missile Systems Center
USAF Judiciary Area Defense Counsel
U.S. Coast Guard Armory, Cape Canaveral
158th Infantry Brigade, 1st Army Division East
17th Test Squadron, Det. 3
114th Range Operations Squadron, Florida Air National Guard
333rd Recruiting Squadron
605th Test Squadron, Det. 2
766th Ordnance Company

The wing also provides administrative support to more than 50 geographically separated units





**Control of the Battlefield
Begins Here!**

